



July 10, 2012

US EPA RECORDS CENTER REGION 5



468906

Illinois Environmental Protection Agency
Permit Section
Bureau of Land – #33
P.O. Box 19276
Springfield, Illinois 62794-9276

Re: 2018080001 – Winnebago County
Winnebago Reclamation Service
Northern and Southern Units
Second Quarter 2012 Potential Observed Increases

Dear Correspondent:

In accordance with the applicable conditions of the permit, a groundwater monitoring review has been conducted on the second quarter 2012 monitoring results. Parameters indicating "observed increases" from the Southern and Northern Units are listed in Tables 1 and 2, respectively.

The sample results from each unit well network have been reviewed pursuant to Condition VIII.13 of Permit No. 1991-138-LF, Modification No. 54. Confirmation sampling will be completed in accordance with Condition VIII.14 of the above referenced permit.

If you have any questions or require further information, please contact Mr. Tom Hilbert at (815) 963-7516. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Teresa N. Sharp".

Teresa N. Sharp
Environmental Scientist

TNS:tns:slm

Enclosures

cc: Tom Hilbert – Rock River Environmental Services
Bernie Schorle – US EPA Region 5

Table 1
Winnebago Landfill - South Unit
Second Quarter 2012 Observed Exceedences

<i>Parameter</i>	<i>Units</i>	<i>2ndQtr12</i>	<i>AGQS</i>	<i>Notes</i>
A28D				
Tetrahydrofuran	ug/l	15	7	
Xylenes (Total)	ug/l	2	5	Exceeds Preceeding (below AGQS)
G11D - Upgradient				
** Tetrachloroethene	ug/l	2.9	5	Exceeds Preceeding (below AGQS)
** Trichloroethene	ug/l	1.3	10	Exceeds Preceeding (below AGQS)
G22D - Upgradient				
# Chloride, Dissolved	mg/l	260	200	
R11S - Upgradient				
** cis-1,2-Dichloroethene	ug/l	2.4	5	Exceeds Preceeding (below AGQS)
Tetrachloroethene	ug/l	1.5	5	Exceeds Preceeding (below AGQS)
** Trichloroethene	ug/l	1.4	10	Exceeds Preceeding (below AGQS)
R25D				
Arsenic, Dissolved	ug/l	3.9	3.801	
# Chloride, Dissolved	mg/l	330	200	
R27D				
Oil (Hexane Soluble)	mg/l	< 6	5	

Notes:

** indicates exceedence has previously been addressed and approved by either Permit Modification No. 46, 51 or 53.

A revised interwell value for dissolved chloride was recently submitted as part of pending Application Log No. 2012-133..

Elevated reporting limit for Oil Hexane Soluble at well R27D due to limited sample volume.

Table 2
Winnebago Reclamation Service - North Unit
Second Quarter 2012 Observed Exceedences

Parameter	Units	2ndQtr12	AGQS	Notes
G09D - Upgradient				
** 1,2-Dichlorobenzene	ug/l	2	5	Exceeds Preceding (below AGQS)
** Benzene	ug/l	3.2	2.8	
** Chlorobenzene	ug/l	10	5	
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G09M - Upgradient				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G13D - Upgradient				
** Chlorobenzene	ug/l	7.8	5	
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G13S - Upgradient				
1,2-Dichlorobenzene	ug/l	1.1	5	Exceeds Preceding (below AGQS)
** Benzene	ug/l	6.1	2.8	
** Chlorobenzene	ug/l	34	5	
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G20D - Upgradient				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
** Tetrachloroethene	ug/l	1.4	26	Exceeds Preceding (below AGQS)
G03M				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G130				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G16D				
Lead, Dissolved	ug/l	58	4	
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G16M				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G33D				
# Oil (Hexane Soluble)	mg/l	< 6	2.5	
G33S				
# Oil (Hexane Soluble)	mg/l	< 6	2.5	
G34D				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	

** indicates exceedence has previously been addressed and approved by either Permit Modification No. 46 or 51.

A revised interwell value for Oil Hexane Soluble (5 mg/L) has been proposed as part of pending Application Log No. 2012-143. Elevated reporting limit at wells G33D, G33S, G35D, G37S, G41M, and G50S due to limited sample volume.

Table 2
Winnebago Reclamation Service - North Unit
Second Quarter 2012 Observed Exceedences

<i>Parameter</i>	<i>Units</i>	<i>2ndQtr12</i>	<i>AGQS</i>	<i>Notes</i>
G34S				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G35D				
# Oil (Hexane Soluble)	mg/l	< 6	2.5	
G35S				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G36S				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G37D				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G37S				
# Oil (Hexane Soluble)	mg/l	< 6	2.5	
G38S				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G41D				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
** Tetrachloroethene	ug/l	1.1	26	Exceeds Preceeding (below AGQS)
G41M				
# Oil (Hexane Soluble)	mg/l	< 6	2.5	
G41S				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G50S				
# Oil (Hexane Soluble)	mg/l	< 6	2.5	
R03S				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
Tetrachloroethene	ug/l	1.3	26	Exceeds Preceeding (below AGQS)
R39S				
2-Butanone (MEK)	ug/L	11	5	
Acetone	ug/L	12	10	
# Oil (Hexane Soluble)	mg/l	< 7	2.5	
R42S				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	

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Table 2
Winnebago Reclamation Service - North Unit
Second Quarter 2012 Observed Exceedences

<i>Parameter</i>	<i>Units</i>	<i>2ndQtr12</i>	<i>AGQS</i>	<i>Notes</i>
G52M				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G52S				
# Oil (Hexane Soluble)	mg/l	< 6	2.5	
G54M				
# Oil (Hexane Soluble)	mg/l	< 5	2.5	
G54S				
# Oil (Hexane Soluble)	mg/l	< 6	2.5	

** indicates exceedence has previously been addressed and approved by either Permit Modification No. 46 or 51.

A revised interwell value for Oil Hexane Soluble (5 mg/L) has been proposed as part of pending Application Log No. 2012-143. Elevated reporting limit at wells G33D, G33S, G35D, G37S, G41M, and G50S due to limited sample volume.



**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
SOLID WASTE REPORTING FORM**

This form must be used as a cover for the following list of notices and reports required by the Illinois EPA's Bureau of Land, Permit Section. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form must be used for Solid Waste facilities only. Reporting for Hazardous Waste facilities should be submitted on a separate Hazardous Waste Reporting Form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form may NOT be used for any request to modify the permit, sampling or operating procedures. Modification requests must be submitted separately in the form of a permit application.

This form is not to be used with permit applications. Your permit will state whether the document you are submitting is required as a report or an application.

Facility Name: Winnebago Landfill - Northern and Southern Units Site ID#: 2018080001

Check one of the following, identifying the contents of your submittal:

- | | |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> LPC-160 Forms | |
| <input type="checkbox"/> Quarterly Groundwater Data | <input type="checkbox"/> Semi-Annual Groundwater Data |
| <input type="checkbox"/> Quarterly Leachate Data | <input type="checkbox"/> Semi-Annual Leachate Data |
| <input type="checkbox"/> Annual Groundwater Data | <input type="checkbox"/> Biennial Groundwater Data |
| <input type="checkbox"/> Annual Leachate Data | <input type="checkbox"/> Biennial Leachate Data |
| <input type="checkbox"/> Annual Groundwater Flow Evaluation | <input type="checkbox"/> Well Survey Data |
| <input type="checkbox"/> Well Construction Forms and Boring Logs | <input type="checkbox"/> Well Abandonment Forms |
| <input checked="" type="checkbox"/> Notice of Observed Increase in Groundwater | |
| Notice of Intent to Perform Confirmation Procedures (Re-sampling) in Groundwater | |
| <input type="checkbox"/> Notice of Confirmed Increase of Groundwater Exceedence from Re-sample | |
| <input type="checkbox"/> Notice of Methane Exceedences | |
| <input type="checkbox"/> Annual Facility Report (per 35 Ill. Adm. Code 813.504) and Gas Monitoring Report | |
| <input type="checkbox"/> Annual Certifications per 35 Ill. Adm. Code 813.501 | |
| <input type="checkbox"/> Other (identify): Not to be used for Permit Applications | |